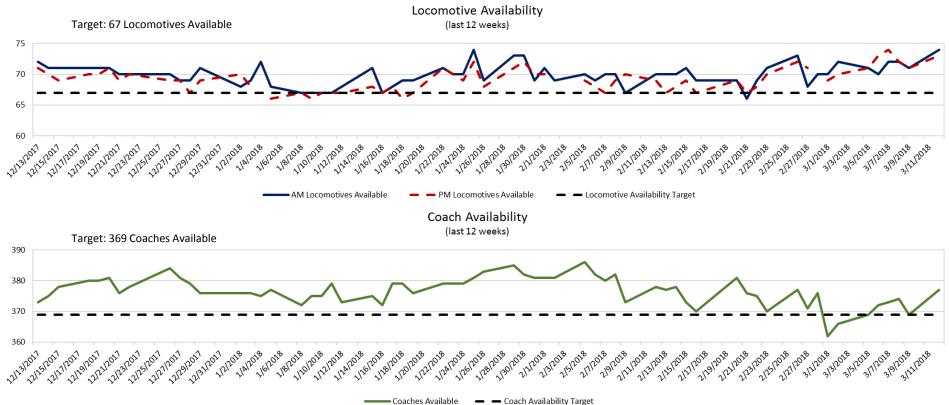


Equipment Availability



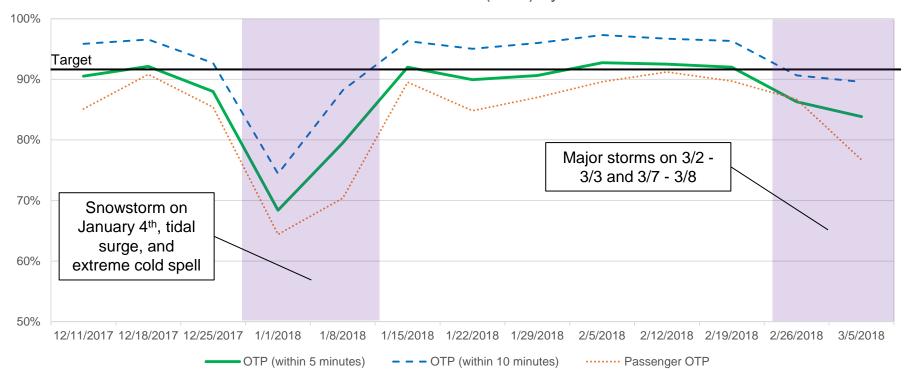




On Time Performance



On Time Performance (OTP) by Week





OTP Within 5 Minutes



	March 2017	April 2017	May 2017	June 2017	July 2017	August 2017	September 2017	October 2017	November 2017	December 2017	January 2018	February 2018	Trailing Year Average
Fairmount	96.4%	97.6%	95.8%	97.3%	98.3%	97.3%	97.5%	98.0%	96.6%	97.9%	92.9%	96.8%	96.8%
Fitchburg	80.9%	88.1%	91.1%	85.7%	88.9%	89.7%	91.3%	79.8%	70.8%	84.6%	75.9%	91.7%	84.8%
Franklin	89.0%	88.7%	91.0%	88.7%	88.2%	86.6%	88.6%	82.5%	85.4%	87.3%	82.5%	91.8%	87.5%
Greenbush	94.8%	93.9%	94.6%	95.0%	97.4%	95.3%	95.6%	85.3%	95.2%	95.3%	90.7%	94.5%	93.9%
Haverhill	85.1%	91.9%	90.4%	80.6%	79.0%	88.8%	81.3%	74.7%	78.3%	87.0%	82.7%	88.9%	84.2%
Kingston/Plymouth	91.7%	95.0%	94.0%	92.4%	94.7%	95.1%	95.3%	84.2%	91.8%	95.0%	88.7%	93.8%	92.6%
Lowell	90.2%	94.6%	96.8%	94.8%	95.2%	94.5%	89.1%	88.2%	85.7%	89.9%	80.1%	91.4%	90.9%
Middleboro	92.6%	90.2%	93.0%	88.7%	92.4%	91.2%	90.8%	83.2%	88.9%	91.9%	91.3%	89.7%	90.3%
Needham	92.6%	92.7%	94.7%	91.6%	94.1%	92.3%	92.0%	90.0%	91.0%	91.4%	87.6%	95.3%	92.1%
Newburyport	85.0%	90.5%	94.1%	87.1%	92.5%	87.5%	89.1%	88.5%	89.3%	88.8%	76.1%	93.1%	88.4%
Providence	87.8%	92.2%	89.6%	86.4%	89.0%	89.3%	89.2%	86.6%	87.7%	88.9%	83.0%	92.2%	88.4%
Rockport	87.7%	91.4%	94.1%	89.1%	92.6%	89.1%	83.6%	86.6%	88.5%	87.5%	76.6%	92.4%	88.2%
Stoughton	87.1%	87.6%	87.8%	87.1%	91.0%	89.1%	89.8%	84.8%	85.9%	86.9%	83.0%	89.7%	87.4%
Worcester	81.3%	74.5%	79.3%	69.1%	80.2%	82.5%	74.5%	79.4%	89.5%	93.9%	86.7%	92.0%	81.8%
Grand Total	88.3%	90.3%	91.5%	87.4%	90.3%	90.2%	88.4%	85.1%	87.2%	90.4%	83.9%	92.4%	88.7%



OTP Within 10 Minutes



	March 2017	April 2017	May 2017	June 2017	July 2017	August 2017	September 2017	October 2017	November 2017	December 2017	January 2018	February 2018	Trailing Year Average
Fairmount	98.2%	98.5%	98.2%	98.6%	98.9%	98.2%	99.0%	98.8%	98.6%	99.3%	95.1%	98.8%	98.3%
Fitchburg	90.4%	94.3%	96.9%	93.2%	94.3%	94.3%	96.4%	90.6%	85.7%	91.9%	84.1%	96.2%	92.3%
Franklin	96.1%	92.9%	96.2%	96.2%	93.9%	94.0%	95.5%	91.4%	92.4%	94.8%	89.6%	96.2%	94.1%
Greenbush	97.8%	97.2%	97.5%	97.1%	98.9%	97.6%	98.1%	95.4%	97.5%	97.6%	93.8%	97.3%	97.2%
Haverhill	92.1%	95.8%	96.0%	90.4%	90.4%	95.7%	90.0%	87.1%	88.4%	92.7%	89.1%	95.3%	92.0%
Kingston/Plymouth	95.8%	97.2%	97.6%	96.2%	97.4%	97.9%	98.8%	95.4%	96.5%	98.8%	92.5%	97.8%	96.8%
Lowell	97.0%	97.6%	99.0%	97.4%	98.7%	98.7%	97.5%	95.3%	95.4%	95.4%	90.0%	97.4%	96.6%
Middleboro	95.5%	94.4%	96.9%	95.0%	97.6%	96.8%	95.0%	96.3%	96.0%	95.4%	94.3%	95.3%	95.7%
Needham	98.5%	97.9%	98.2%	95.9%	97.2%	95.9%	96.6%	96.4%	94.6%	96.8%	93.5%	98.9%	96.7%
Newburyport	91.1%	95.1%	98.2%	93.6%	96.5%	95.5%	95.0%	95.0%	96.3%	96.2%	82.5%	97.3%	94.3%
Providence	93.2%	95.1%	94.0%	92.6%	94.0%	93.8%	95.1%	93.4%	94.5%	93.7%	89.4%	96.9%	93.8%
Rockport	92.5%	96.0%	97.2%	94.6%	96.6%	95.7%	92.4%	92.6%	94.4%	94.3%	81.5%	96.1%	93.6%
Stoughton	93.2%	95.2%	94.8%	94.4%	96.0%	95.8%	95.3%	92.9%	95.9%	94.3%	90.9%	94.9%	94.4%
Worcester	90.2%	89.2%	88.1%	84.4%	90.4%	91.3%	87.7%	90.7%	95.3%	97.3%	91.8%	96.1%	91.0%
Grand Total	94.2%	95.3%	96.1%	93.9%	95.4%	95.6%	94.9%	93.5%	94.3%	95.5%	89.8%	96.8%	94.6%



March 2 – 3 Storm



Situation

- In addition to 3- 5 inches of rain this was the third highest sea level since 1825, causing flooding across the north and south shores, knocking out the signal system
- Hurricane strength winds in some areas
- 75 trees down across network on storm day, blocking tracks and damaging 25 crossings and 8 trainsets

Actions

- 100 extra contractors brought in across the railway to assist with tree clearance and platform salting and sanding
- Put generators in place at multiple locations to protect service
- Crews deployed across railway to clear trees from tracks
- Repaired comms and signal issues along entire Greenbush Line
- Joint command center fully functioning through storm and recovery

Results

Recovered to 96% OTP three days after storm





March 7 – 8 Storm



Situation

- Service started with 76 locomotives available (versus 67 required)
- Over 100 downed trees
- Power outages for several days in many communities and commuter rail locations across network





March 7 – 8 Storm

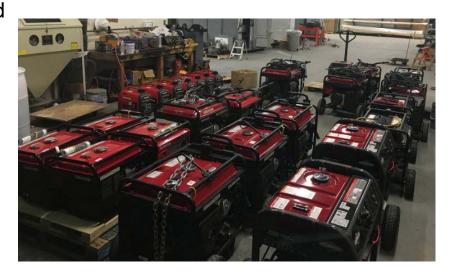


Actions

- Over 60 generators deployed, maintaining signal and gates at the vast majority of affected locations
- Nearly entire Greenbush line operated on backup power
- Cleared trees from tracks, and removed an additional 75 trees that were at risk of falling onto the tracks
- Eight trainsets damaged; rapidly repaired and achieved 71 locomotives available on March 9th

Results

 Recovered to 87% OTP day after storm and 90% two days after





March 13 Storm



Situation

- Service started with 75 locomotives available (versus 67 required)
- Snowfall across entire network (up to 24" in places), gale force winds
- Power outages at several points across network, several trees down, extremely low visibility

Actions

- Reduced service schedule successfully implemented
- Generators pre-positioned, several deployed
- Cleared all snow from platforms, signaling systems, switches,
- Eighteen trainsets with issues (none catastrophic) during extreme storm, all repaired for service next morning
- Flanger, snowfighters and plow used to clear right of way

Results

 OTP day of storm 67%, ZERO train cancellations, T-15 85%, full service operated following day, OTP at 91% on March 15th



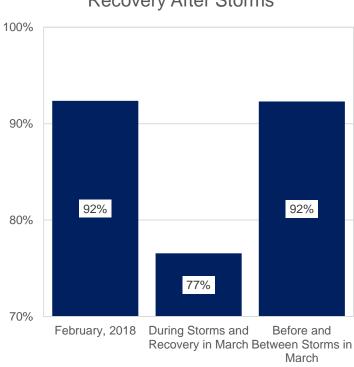




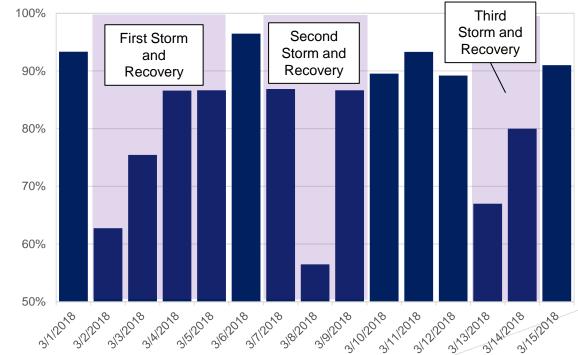
Snowstorm Results







OTP (within five minutes)





- Equipment notably more resilient in extreme weather than in 2015
- Pre-planned service reductions, in certain circumstances, helps provide greater certainty for passengers, protect equipment and allow time for network repairs to be made
- External power supply interruptions and downed trees the major impact on network performance
- EOC approach continues to improve storm preparation, management & recovery
- Network Resilience Program is necessary to counteract increasing impacts of extreme weather



* Engineer's view from driving cab during March 13th storm







- Purchased 30 additional generators and improved deployment plan to react rapidly to power outages
- Employment of custom built event management app allows tracking and rapid resolution of issues

